ABSTRACT OF DISCLOSURE

There are disclosed foot measurement systems and methods to scan someone's foot from the bottom and/or oblique topside directions for generating pixel data for the foot shape, and then to calculate and obtain main foot-dimensions and other information required for last design (for example, shoes design) using the generated pixel data. The foot measurement system comprises foot data generating means for generating pixel data for foot shape and transmitting them to the exterior, the pixel data being obtained by emitting light to a foot placed on a substrate and analyzing information of the reflected light; and image treatment means for generating foot image through analyzing the pixel data transmitted from the foot data generating means with line-scan algorithm and/or stereo vision algorithm.